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**DETECTION OF APPENDIX IX COMPOUNDS IN
MONITORING WELL 2649**

02/06/91

**DOE-508-91
DOE-FMPC/OEPA
2
LETTER**



Department of

FMPC Site Office
P.O. Box 398705
Cincinnati, Ohio 45239-8705
(513) 738-6319

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FEB 06 1991

DOE-508-91

Mr. Thomas A. Winston, Chief
Southwest District Office
Ohio Environmental Protection Agency
40 South Main Street
Dayton, Ohio 45402-2086

Dear Mr. Winston:

DETECTION OF APPENDIX IX COMPOUNDS IN MONITORING WELL 2649

References: Letter, DOE-1430-90, G. W. Westerbeck to
T. Winston, "Detection of APPENDIX IX Compounds
in Monitoring Wells," dated October 1, 1990

Letter, DOE-1983-90, G. W. Westerbeck to
T. Winston, "Proposal for Additional Groundwater
Assessment Work in the Waste Pit Area," dated
October 1, 1990

On July 13, 1990, a letter was sent to you (DOE-1430-90) explaining that some organics had been detected in groundwater monitoring well 1031. This well is located in the southwest corner of the waste pit area (See Enclosure 1). Monitoring well 1031 is completed in a glacial till unit composed for the most part of low-permeable clay. The glacial till overlies a very permeable sand and gravel unit.

On October 1, 1990, a proposal was sent to you (DOE-1983-90) which outlined an action plan, whereby a well would be constructed downgradient of monitoring well 1031. This new well would be completed in the water table zone of the underlying sand and gravel unit.

This new well (monitoring well 2649) was completed on October 19, 1990. Well 2649 was sampled November 16, 1990 and test results were received from the National Environmental Testing Lab in Dayton, Ohio on December 21, 1990 (See Enclosure 2).

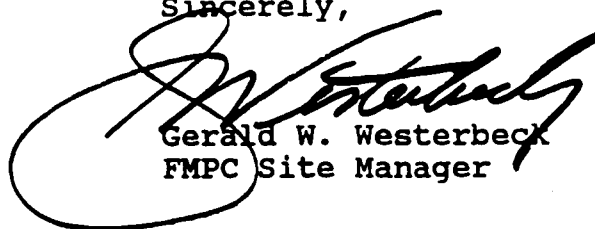
The test results indicate that groundwater in the water table zone of the sand and gravel unit contains various metals (i.e., 573 mg/l molybdenum) and various organics (i.e. 182 ug/l trichloroethene).

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The Department of Energy is currently considering some additional work in order to better determine the extent of this contamination. A proposal will be submitted for your review on March 1, 1991.

If your staff has any questions, please contact David Rast at (513) 738-6322.

Sincerely,



Gerald W. Westerbeck
FMPC Site Manager

DP-84:Rast

Enclosure: As stated

cc w/encl.:

C. A. McCord, USEPA-V
G. E. Mitchell, OEPA-Dayton
R. Bendula, OEPA-Dayton
P. Pardi, OEPA